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**From:** Fondahl, Lauren [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=8FCC41D8B83844B3B5483FE20B153452-LFONDAHL]  
**Sent:** 5/1/2018 3:14:12 PM  
**To:** Lisa Challenger [lchallenger@materialmatters.com]  
**CC:** Gonzales, Johnny@Waterboards [Johnny.Gonzales@waterboards.ca.gov]; 'Trudy Johnston' [tjohnston@materialmatters.com]  
**Subject:** RE: Biosolids Utilization in CA  
**Attachments:** use&disp2018r.xlsx

Hi Lisa,

Attached is a spreadsheet with what Region 9 major POTWs and other Class 1 Sludge Management Facilities did with their biosolids in 2017. Values are expressed in dry metric tons. Arizona facilities are not included as Arizona is authorized for the biosolids program, except for a composter who receives biosolids from California, and a WWTP that receives wastewater from Mexico. The spreadsheet is missing a few majors who are still figuring out how to get into the electronic reporting system.

Lauren

Lauren Fondahl  
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**From:** Lisa Challenger [mailto:lchallenger@materialmatters.com]  
**Sent:** Friday, April 27, 2018 11:58 AM  
**To:** Fondahl, Lauren <Fondahl.Lauren@epa.gov>  
**Cc:** Gonzales, Johnny@Waterboards <Johnny.Gonzales@waterboards.ca.gov>; 'Trudy Johnston' <tjohnston@materialmatters.com>  
**Subject:** RE: Biosolids Utilization in CA

Lauren,

This information is fantastic – thank you! From my reading, it did seem that composting is a key management method now, and it looks like that is a trend into the future as well...

If you could send me the spreadsheet Tuesday that would be great as well...thank you so much!

Have a wonderful weekend!  
Lisa

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**From:** Fondahl, Lauren [<mailto:Fondahl.Lauren@epa.gov>]  
**Sent:** Friday, April 27, 2018 2:46 PM  
**To:** Lisa Challenger  
**Cc:** Gonzales, Johnny@Waterboards; 'Trudy Johnston'  
**Subject:** Re: Biosolids Utilization in CA

Hi Lisa,

I can send you a spreadsheet with what each major California POTW does with their biosolids when I'm back in the office on Tuesday (working from home today and Monday). A majority of biosolids that is land applied is first sent to one of several large regional composters for composting to Class A prior to land application. Several northern CA POTWs are now also contracting with Lystek for thermal hydrolysis to Class A, prior to land application.

Most POTWs who land apply Class B contract with one of three companies: Synagro, Denali, and Brisco. Denali takes biosolids from Southern CA to sites in Yuma County, AZ (about 13% of CA biosolids goes to Arizona for composting or direct land application). These companies also land apply Class B biosolids from Central and Northern CA in Merced, Sacramento, and Solano Counties. I believe most of the sites to which these companies apply have individual Waste Discharge Requirements from the State of California, rather than coverage under the State's General Order, but would have to check with them (the State of California has records of who is covered under which orders).

The City of Los Angeles applies thermophilically digested Class A biosolids to its own fields in Kern County. Several Central Valley POTWs also apply to their own fields, including Bakersfield, Modesto, Lodi, and Redding.

Lauren

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**From:** Lisa Challenger <[lchallenger@materialmatters.com](mailto:lchallenger@materialmatters.com)>

**Sent:** Friday, April 27, 2018 10:33:16 AM

**To:** Fondahl, Lauren

**Cc:** Gonzales, Johnny@Waterboards; 'Trudy Johnston'

**Subject:** Biosolids Utilization in CA

Hi Lauren,

As a part of a biosolids master plan I am working on, I am looking into the status of biosolids utilization in CA. I spoke with Johnny Gonzales this morning, and he noted you would be a good resource to learn a bit more about who is taking their biosolids where...

Specifically, I am interested in learning what sites are covered under the General Order, who is the permit holder, and what utilities are bringing Class B (and Class A) biosolids to these sites.

Any information you are willing to share is greatly appreciated! If you would like to discuss via a call, that works for me too!

Thank you!

Lisa

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